WO 2004/055441 PCT/KR2002/002376

## **CLAIMS**

- 1. An air conditioner, comprising:
- a casing having an indoor space region in which a first heat

  5 exchanger is installed and an outdoor space region in which a second heat

  exchanger is installed;
  - a cross flow fan installed in the outdoor space region and generating air flow so as to make outdoor air pass the second heat exchanger and release heat to the outside; and
- a condensate water scattering means for scattering condensate water gathered in a bottom region of the casing to the second heat exchanger.
- The air conditioner of claim 1, wherein the cross flow fan
   consists of a plurality of blades and a plurality of diaphragms for fixing the blades.
  - 3. The air conditioner of claim 1, wherein the condensate water scattering means is a plurality of slinger rings respectively protruded from the outer circumference of the diaphragm.

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4. The air conditioner of claim 3, wherein the slinger rings are respectively installed at the diaphragms arranged at the both ends of the cross flow fan.

WO 2004/055441 PCT/KR2002/002376

5. The air conditioner of claim 3, wherein a width in a shaft direction of the cross flow fan, of the end portion of the slinger ring is greater than a width in a shaft direction of the cross flow fan, of a portion of the slinger ring connected to the diaphragm in a sectional shape of the slinger ring in the radius direction.

6. The air conditioner of claim 5, wherein a section of the slinger ring in the radius direction has a 'T' shape.

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- 7. The air conditioner of claim 5, wherein a section of the slinger ring in the radius direction has an 'L' shape.
- 8. The air conditioner of claim 3, wherein a plurality of protrusions are formed at the surface of the slinger ring.
  - 9. The air conditioner of claim 3, wherein the outer circumference portion of the slinger ring is curved toward the axis direction of the cross flow fan in a section shape of the slinger ring in the radius direction.
  - 10. The air conditioner of claim 3, wherein a section of the slinger ring in the radius direction consists of a connection portion connected to the diaphragm; a middle portion extended from the

WO 2004/055441 PCT/KR2002/002376

connection portion having a thickness less than that of the connection portion in the radius direction; and an end portion formed at the outer circumference of the middle portion having a thickness greater than that of the middle portion.

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- 11. The air conditioner of claim 10, wherein a section of the slinger ring in the radius direction has a 'H' shape.
- 12. The air conditioner of claim 10, wherein a plurality of protrusion portions having a certain angle on the basis of the center of the slinger ring in the circumferential direction are formed at the end portion, in which the end portion is protruded inwardly at the protrusion portion in the radius direction.

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13. The air conditioner of claim 3, further comprising:

a protector fixedly installed to the outdoor space region so as to receive part of the outer circumference of the slinger ring with a certain air gap in order to prevent condensate water on the slinger ring from being scatterd to the outside of the casing by air flow.

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14. The air conditioner of claim 13, wherein the protector has an arc shape centering around the rotational axis of the cross flow fan.

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